

# CS20-02P105-03-1X

 Rev. 2-2024  
 RoHS3 & REACH  
 IPX8 Front Face  
 Mobile Speakers

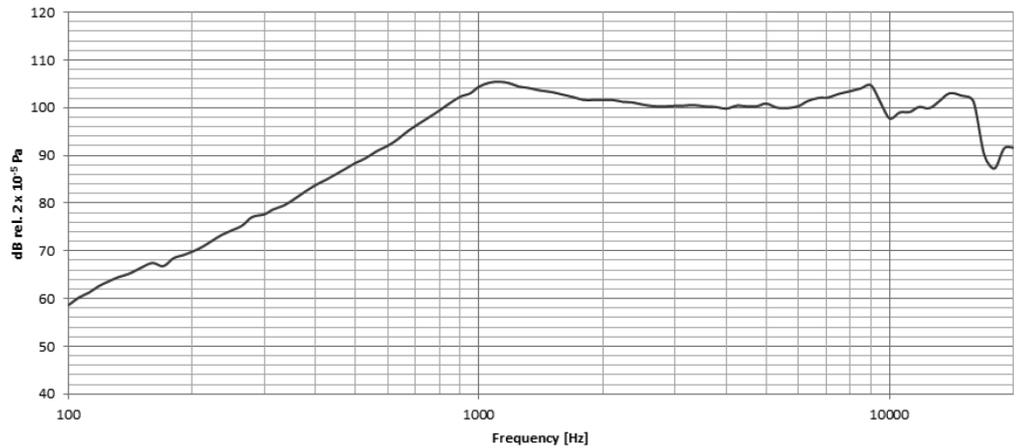

## Operating Characteristics: 1CC Sealed Enclosure

### ELECTRICAL

Rated Power	2 W
Short Term Max Power	2.2 W
Impedance	4 Ω ± 20 % 2000 Hz; 2 W

### ACOUSTIC

$f_0$	1050 Hz ± 20 % 2 W
Freq. Range	840 to 20000 Hz
Rated SPL	104 ± 3 dB 1000, 1180, 1500 Hz; AVG; 2 W; 10 cm
Distortion	Max 10 % 2000 Hz; 2 W



## Physical Characteristics

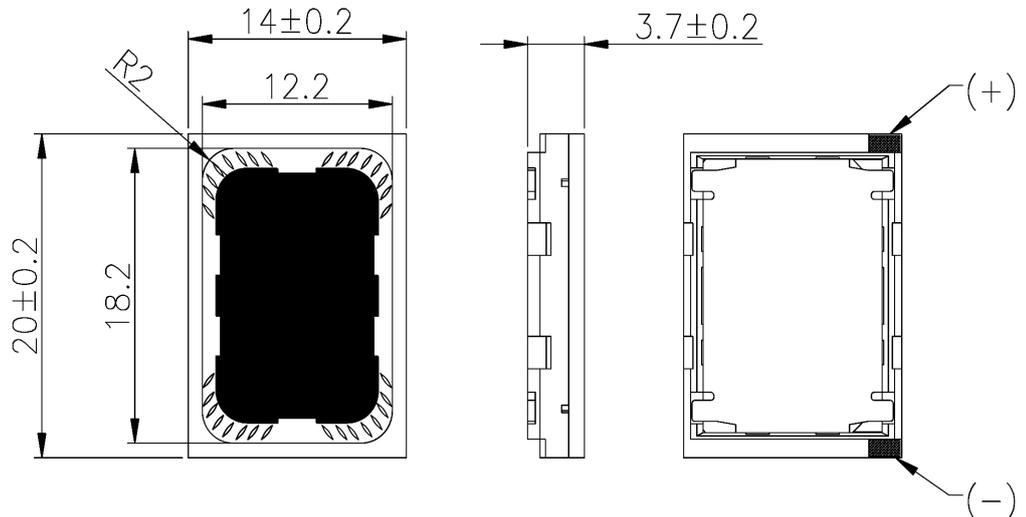
### MATERIALS

Housing	PPA
Cone	PEEK
Magnet	NdFeB
Solder Point	Tin Plated Stainless Steel

### TEMPERATURE RANGES

Operating	-20 to +70 °C
Storage	-40 to +85 °C

Weight 1.5 g



General tolerance = ±0.2 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
1-2023	Updated to IPX8 Front Face	JL	2023-06-07
2-2024	Updated frequency range.	SK	2024-02-22

Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.

\*IP rating can be achieved through proper assembly mounting. Please contact your local Challenge Electronics sales representative for more details.

©2024 Challenge Electronics, Inc. Pub. 20240222140857